

CLAIMS

1. A highly concentrated, storage stable aqueous dispersion of a light stabilizer or of a mixture of a light stabilizer and an antioxidant, characterized in that it has an active substance content of more than 47% by weight and comprises at least one nonionic wetting agent as dispersant and a polyglycol as solubilizer, and also 0.2% to 5% by weight of oleic acid as flow improver.
2. The aqueous dispersion of claim 1, wherein the light stabilizer or the mixture of a light stabilizer and an antioxidant has a melting point of at least 35°C.
3. The aqueous dispersion of claim 1 or 2, wherein the active substance content amounts to 47%-57% by weight.
4. The aqueous dispersion of claim 1, 2 or 3, which has a viscosity of 0.01 to 2 Pa s.
5. The aqueous dispersion of claims 1 to 4, which besides the nonionic wetting agent comprises an anionic wetting agent.
6. The aqueous dispersion of claims 1 to 5, wherein the active substances have a particle size of $D_{50} < 5 \mu\text{m}$, preferably of $D_{50} = 0.5\text{-}2 \mu\text{m}$ and $D_{90} < 3.5 \mu\text{m}$.
7. The aqueous dispersion of claims 1 to 6, having a storage stability of more than 4 weeks at 50°C.
8. The aqueous dispersion of claims 1 to 7, characterized in that it comprises a biocide as a further component.
9. The aqueous dispersion of claims 1 to 7, containing 47%-54% by weight active substance, 5%-10% by weight wetting agents (as dispersant), 5%-10% by weight polyglycol (as solubilizer), 0.2%-3% by weight oleic acid (as flow improver), < 1% by weight biocides in 30%-40% by weight water.

10. A method of improving the storage stability of an aqueous dispersion of a light stabilizer or of a mixture of a light stabilizer and an antioxidant, characterized in that in a first step a dispersant and/or further additives are mixed with oleic acid and in a second step the light stabilizer or the mixture of a light stabilizer and an antioxidant, in the form of a powder, compact or granules, is added and then dispersed in the presence of the oleic acid, the dispersant, and a polyglycol, and also any further additives.
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11. The use of an aqueous dispersion of any one of claims 1 to 9 above in the preparation of coating compositions.
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12. A coating composition in the form of an aqueous dispersion which comprises an aqueous dispersion of any one of claims 1 to 9 and an aqueous dispersion, an aqueous emulsion or an aqueous solution of a binder based on crosslinkable alkyd resin, acrylic resin, polyester resin or polyurethane resin.
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